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EXAMINER
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RUDOLPH, VINCENT M

ART UNIT	PAPER NUMBER
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2625

NOTIFICATION DATE	DELIVERY MODE
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ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

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<b>Office Action Summary</b>	<b>Application No.</b> 10/777,750	<b>Applicant(s)</b> WATANABE, MIKIO	
	<b>Examiner</b> Vincent Rudolph	<b>Art Unit</b> 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 November 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-2, 4, 7-9 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clough ('982) in view of Iida (Pub. # 20030020813).

Regarding claim 1, Clough ('982) discloses a print service system (**See Figure 1**) that includes an imaging apparatus (digital camera, **See Figure 1, Element 112**) that outputs image data of a photo image obtained by capturing an object (image data is taken and stored onto a digital media card, **See Col. 3, Line 39-45**), a first recording device that records the image data (records the image data by storing it using a digital media card, **See Col. 3, Line 39-45**), and a first communications device that transmits the image data recorded to a predetermined home server apparatus (image data file, **See Figure 1, Element 116**, is transferred to an external device, such as a PC, **See Figure 1, Element 102A-B; Col. 3, Line 46-48**); a predetermined home server apparatus (**See Figure 102A-B**) that includes a second communications device that receives the image data from the imaging apparatus (coupled to the digital camera, **See Col. 3, Line 14-16**, so that image data is able to be sent and received, **See Col. 3, Line 45-48**), a second recording device that records the image data received (receives the image data file, **See Col. 4, Line 12-15**), and a third communications device that

automatically transmits the image data and a predetermined user information to a predetermined print server apparatus (provides the device, **See Figure 1, Element 108**, automatically with the image data file along with the predetermined user information, such as the command to print the image data, through the Internet (by way of example), **See Figure 1; Col. 3, Line 53-59**), and the predetermined print server apparatus (**See Figure 1, Element 108**) that includes a fourth communications device that receives the image data and the predetermined user information from the home server apparatus (the image data file associated with the user is sent from the PC over the network and received by the device (by way of example), **See Figure 1; Col. 3, Line 53-59**), a third recording device that records the image data received for each user specified (the receiver within the device receives, **See Col. 4, Line 41-44**, and records the image data associated with the user by storing it, **See Col. 6, Line 2-5**), and a first output device that outputs the image data recorded to a medium when the user issues an order (user sends the image data file initially from the digital camera to be outputted using the printing device, **See Col. 3, Line 7-10**, once received, **See Col. 4, Line 41-44**).

Clough ('982) does not disclose having a user data management device that manages the image data of a user, which updates at least one of a total pieces of image data and a total amount of image data specified by the predetermined user information each time image data is received, and automatically transmits message information to equipment registered in advance for the user when the updated result exceeds a predetermined value equal to the permissible total number or total amount, so that the

message information includes a proposal for the user to output the image data to a medium.

lida (Pub. # 20030020813) discloses a user data management device (portable terminal, **See Figure 2**) includes the management information of the user (a code for the predetermined amount of image data to be saved, **See Page 8, Paragraph 0075 and 0077**) as well as updates the total amount of image data about a user (updates the total remaining amount of image data for the selected user, **See Page 8-9, Paragraph 0085**) and transmits message information for the user whenever it exceeds a predetermined value equal to the total amount so that it includes a proposal to output the image data to a medium (whenever the total amount of image data is exceeded, such that the remaining number of images is equal to zero, a message suggests the user enter a code, **See Figure 6B; Page 8-9, Paragraph 0085-0086**, in order to output any additional image data, **Page 9, Paragraph 0088**, to an image server for printing, **See Figure 6H; Page 8, Paragraph 0076**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a user management device, such as the one disclosed within lida (Pub. # 20030020813), and incorporate it into the print service system of Clough ('982) because it allows the database to keep track of the total amount of image data used so that specified user knows the correct predetermined amount remaining rather than having the user guess the amount left.

Regarding claim 2, Clough ('982) discloses communications between the imaging apparatus and the home server apparatus are performed by wireless

communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**).

Regarding claim 4, Clough ('982) discloses that the image data transmitted by the imaging apparatus is not assigned an identifier, and the identifier is assigned to the image data already transmitted to the home server apparatus from the imaging apparatus (the image data file is transferred, **See Col. 4, Line 12-15**, and monitored to verify that the it was successfully transferred (even though it discloses being transferred to the device, it would have been obvious to do the same with the PCs since it also is able to receive the image data from the digital camera, **See Col. 3, Line 19-20**), **See Col. 5, Line 6-9**).

Regarding claim 7, Clough ('982) discloses a print service system (**See Figure 1**) that includes an imaging apparatus (digital camera, **See Figure 1, Element 112**) that outputs image data of a photo image obtained by capturing an object (image data is taken and stored onto a digital media card, **See Col. 3, Line 39-45**), a first recording device that records the image data (records the image data by storing it using a digital media card, **See Col. 3, Line 39-45**), and a first communications device that transmits the image data recorded to a predetermined home server apparatus (image data file, **See Figure 1, Element 116**, is transferred to an external device, such as a PC, **See**

**Figure 1, Element 102A-B; Col. 3, Line 46-48**); and a predetermined home server apparatus (**See Figure 102A-B**) that includes a second communications device that receives the image data from the imaging apparatus (coupled to the digital camera, **See Col. 3, Line 14-16**, so that image data is able to be sent and received, **See Col. 3, Line 45-48**), a second recording device that records the image data received (receives the image data file, **See Col. 4, Line 12-15**), and a third communications device that automatically transmits the image data and a predetermined user information to a predetermined print server apparatus (provides the device, **See Figure 1, Element 108**, automatically with the image data file along with the predetermined user information, such as the command to print the image data, through the Internet (by way of example), **See Figure 1; Col. 3, Line 53-59**).

Clough ('982) does not disclose having a user data management device that manages the image data of a user, which updates at least one of a total pieces of image data and a total amount of image data specified by the predetermined user information each time image data is received, and automatically transmits message information to equipment registered in advance for the user when the updated result exceeds a predetermined value equal to the permissible total number or total amount, so that the message information includes a proposal for the user to output the image data to a medium.

Iida (Pub. # 20030020813) discloses a user data management device (portable terminal, **See Figure 2**) includes the management information of the user (a code for the predetermined amount of image data to be saved, **See Page 8, Paragraph 0075**

**and 0077)** as well as updates the total amount of image data about a user (updates the total remaining amount of image data for the selected user, **See Page 8-9, Paragraph 0085)** and transmits message information for the user whenever it exceeds a predetermined value equal to the total amount so that it includes a proposal to output the image data to a medium (whenever the total amount of image data is exceeded, such that the remaining number of images is equal to zero, a message suggests the user enter a code, **See Figure 6B; Page 8-9, Paragraph 0085-0086**, in order to output any additional image data, **Page 9, Paragraph 0088**, to an image server for printing, **See Figure 6H; Page 8, Paragraph 0076)**.

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a user management device, such as the one disclosed within Iida (Pub. # 20030020813), and incorporate it into the print service system of Clough ('982) because it allows the database to keep track of the total amount of image data used so that specified user knows the correct predetermined amount remaining rather than having the user guess the amount left.

Regarding claim 8, Clough ('982) discloses that the second recording device is either a non-volatile storage device that stores the image data for a plurality of image or a volatile storage device that temporarily stores the image data (transferred to the either PC, **See Figure 1, Element 102A-B, See Col. 3, Line 14-16**, and forward it to the device (by way of example), **See Figure 1; Col. 3, Line 53-59**, thus the data stored is in a volatile storage device since it is forwarded to the destination to be stored there, **See Col. 6, Line 2-5)**.



Regarding claim 9, Clough ('982) discloses communications between the imaging apparatus and the home server apparatus are performed by wireless communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**).

Regarding claim 11, Clough ('982) discloses that the image data transmitted by the imaging apparatus is not assigned an identifier, and the identifier is assigned to the image data already transmitted to the home server apparatus from the imaging apparatus (the image data file is transferred, **See Col. 4, Line 12-15**, and monitored to verify that the it was successfully transferred (even though it discloses being transferred to the device, it would have been obvious to do the same with the PCs since it also is able to receive the image data from the digital camera, **See Col. 3, Line 19-20**), **See Col. 5, Line 6-9**).

Regarding claim 12, Clough ('982) discloses that the second recording device is either a non-volatile storage device that stores the image data for a plurality of image or a volatile storage device that temporarily stores the image data (transferred to the either PC, **See Figure 1, Element 102A-B, See Col. 3, Line 14-16**, and forward it to the device (by way of example), **See Figure 1; Col. 3, Line 53-59**, thus the data stored is in a volatile storage device since it is forwarded to the destination to be stored there, **See**

**Col. 6, Line 2-5**), and communications between the imaging apparatus and the home server apparatus are performed by wireless communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**).

Claims 3, 5-6, 10 and 13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clough ('982) in view of Iida (Pub. # 20030020813) as applied to claims 1 and 7, and further in view of Batman (Pub. # 20040003151).

Regarding claim 3, Clough ('982) does not disclose that the imaging apparatus includes a cradle apparatus capable of supplying power to the imaging apparatus so that it automatically starts wireless communications with the home server apparatus whenever it is connected to the cradle apparatus.

Batman (Pub. # 20040003151) discloses a cradle (**See Figure 1, Element 104**) that is connected to a digital camera (**See Figure 1, Element 102**) and has a wireless communication to transfer image data to the local host (**See Page 2, Paragraph 0017**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a cradle, such as the one disclosed within Batman (Pub. # 20040003151), and incorporate it into the print service system of Clough ('982) because it is able to supply constant power to the camera without having the camera to

resort to using a battery backup, which limits the amount of data to record and transfer, depending of the life of the battery.

Regarding claim 5, Clough ('982) discloses communications between the imaging apparatus and the home server apparatus are performed by wireless communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**).

Clough ('982) does not disclose that the imaging apparatus includes a cradle apparatus capable of supplying power to the imaging apparatus so that it automatically starts wireless communications with the home server apparatus whenever it is connected to the cradle apparatus.

Batman (Pub. # 20040003151) discloses a cradle (**See Figure 1, Element 104**) that is connected to a digital camera (**See Figure 1, Element 102**) and has a wireless communication to transfer image data to the local host (**See Page 2, Paragraph 0017**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a cradle, such as the one disclosed within Batman (Pub. # 20040003151), and incorporate it into the print service system of Clough ('982) because it is able to supply constant power to the camera without having the camera to

resort to using a battery backup, which limits the amount of data to record and transfer, depending of the life of the battery.

Regarding claim 6, Clough ('982) discloses communications between the imaging apparatus and the home server apparatus are performed by wireless communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**), and the image data transmitted by the imaging apparatus is not assigned an identifier, and the identifier is assigned to the image data already transmitted to the home server apparatus from the imaging apparatus (the image data file is transferred, **See Col. 4, Line 12-15**, and monitored to verify that the it was successfully transferred (even though it discloses being transferred to the device, it would have been obvious to do the same with the PCs since it also is able to receive the image data from the digital camera, **See Col. 3, Line 19-20**), **See Col. 5, Line 6-9**).

Clough ('982) does not disclose that the imaging apparatus includes a cradle apparatus capable of supplying power to the imaging apparatus so that it automatically starts wireless communications with the home server apparatus whenever it is connected to the cradle apparatus.

Batman (Pub. # 20040003151) discloses a cradle (See **Figure 1, Element 104**) that is connected to a digital camera (**See Figure 1, Element 102**) and has a wireless communication to transfer image data to the local host (**See Page 2, Paragraph 0017**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a cradle, such as the one disclosed within Batman (Pub. # 20040003151), and incorporate it into the print service system of Clough ('982) because it is able to supply constant power to the camera without having the camera to resort to using a battery backup, which limits the amount of data to record and transfer, depending of the life of the battery.

Regarding claim 10, Clough ('982) does not disclose that the imaging apparatus includes a cradle apparatus capable of supplying power to the imaging apparatus so that it automatically starts wireless communications with the home server apparatus whenever it is connected to the cradle apparatus.

Batman (Pub. # 20040003151) discloses a cradle (**See Figure 1, Element 104**) that is connected to a digital camera (**See Figure 1, Element 102**) and has a wireless communication to transfer image data to the local host (**See Page 2, Paragraph 0017**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a cradle, such as the one disclosed within Batman (Pub. # 20040003151), and incorporate it into the print service system of Clough ('982) because it is able to supply constant power to the camera without having the camera to resort to using a battery backup, which limits the amount of data to record and transfer, depending of the life of the battery.

Regarding claim 13, Clough ('982) discloses that the second recording device is either a non-volatile storage device that stores the image data for a plurality of image or a volatile storage device that temporarily stores the image data (transferred to the either PC, **See Figure 1, Element 102A-B, See Col. 3, Line 14-16**, and forward it to the device (by way of example), **See Figure 1; Col. 3, Line 53-59**, thus the data stored is in a volatile storage device since it is forwarded to the destination to be stored there, **See Col. 6, Line 2-5**), and communications between the imaging apparatus and the home server apparatus are performed by wireless communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**).

Clough ('982) does not disclose that the imaging apparatus includes a cradle apparatus capable of supplying power to the imaging apparatus so that it automatically starts wireless communications with the home server apparatus whenever it is connected to the cradle apparatus.

Batman (Pub. # 20040003151) discloses a cradle (**See Figure 1, Element 104**) that is connected to a digital camera (**See Figure 1, Element 102**) and has a wireless communication to transfer image data to the local host (**See Page 2, Paragraph 0017**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a cradle, such as the one disclosed within Batman

(Pub. # 20040003151), and incorporate it into the print service system of Clough ('982) because it is able to supply constant power to the camera without having the camera to resort to using a battery backup, which limits the amount of data to record and transfer, depending of the life of the battery.

Regarding claim 14, Clough ('982) discloses that the second recording device is either a non-volatile storage device that stores the image data for a plurality of image or a volatile storage device that temporarily stores the image data (transferred to the either PC, **See Figure 1, Element 102A-B, See Col. 3, Line 14-16**, and forward it to the device (by way of example), **See Figure 1; Col. 3, Line 53-59**, thus the data stored is in a volatile storage device since it is forwarded to the destination to be stored there, **See Col. 6, Line 2-5**), communications between the imaging apparatus and the home server apparatus are performed by wireless communications (**See Figure 1; Col. 3, Line 14-16**), the image apparatus transmits predetermined imaging apparatus information to the home server apparatus, which receives the image data only when then imaging apparatus information received matches the information stored in advance (once the devices are coupled, **See Col. 3, Line 14-16**, the image data is able to be transferred successfully, **See Col. 4, Line 12-15**), and the image data transmitted by the imaging apparatus is not assigned an identifier, and the identifier is assigned to the image data already transmitted to the home server apparatus from the imaging apparatus (the image data file is transferred, **See Col. 4, Line 12-15**, and monitored to verify that the it was successfully transferred (even though it discloses being transferred to the device, it

would have been obvious to do the same with the PCs since it also is able to receive the image data from the digital camera, **See Col. 3, Line 19-20), See Col. 5, Line 6-9).**

Clough ('982) does not disclose that the imaging apparatus includes a cradle apparatus capable of supplying power to the imaging apparatus so that it automatically starts wireless communications with the home server apparatus whenever it is connected to the cradle apparatus.

Batman (Pub. # 20040003151) discloses a cradle (**See Figure 1, Element 104**) that is connected to a digital camera (**See Figure 1, Element 102**) and has a wireless communication to transfer image data to the local host (**See Page 2, Paragraph 0017**).

It would have been obvious to one of ordinary skill in the art at the time of the invention by the applicant to include a cradle, such as the one disclosed within Batman (Pub. # 20040003151), and incorporate it into the print service system of Clough ('982) because it is able to supply constant power to the camera without having the camera to resort to using a battery backup, which limits the amount of data to record and transfer, depending of the life of the battery.

### ***Response to Arguments***

Applicant argues that the prior art does not disclose transmitting predetermined user information. Since it unclear what all information is included within the predetermined user information, Clough discloses, based on the broadest reasonable interpretation, transmitting the image data file along with the predetermined user information, such as the command to print the image data (**See Col. 3, Line 53-59**). Thus, once the predetermined user information is received along with the image data, it



is used to determine the request in order to output the image data accordingly. As a result, the prior art of Clough does meet the limitations of the amended claims as disclosed within the rejection above.

Applicant also argues that the prior art does not disclose transmitting a message whenever the updated result exceeds a predetermined value equal to the permissible total number or total amount. lida discloses transmitting message information for the user whenever it exceeds a predetermined value equal to the total amount, such that whenever the total amount of image data is exceeded, wherein the remaining number of images is equal to zero, a message is sent to the user (**See Figure 6B; Page 8-9, Paragraph 0085-0086**). Thus, by combining lida with Clough, it allows the database to keep track of the total amount of image data used so that specified user knows the correct predetermined amount remaining rather than having the user guess the amount left. As a result, the combined prior art of Clough and lida together do meet the limitations of the amended claims as disclosed within the rejection above.

The rest of the arguments made by the applicant are fully addressed within the rejection as disclosed above.

Based on these facts, **THIS ACTION IS MADE FINAL**. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure is: Yamaguchi (Pub. # 20040111493) and Iijima (Pub. # 20030053124).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent Rudolph whose telephone number is (571) 272-8243. The examiner can normally be reached on Monday through Friday 8 A.M. - 4:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vincent Rudolph  
Examiner  
Art Unit 2625

/Vincent Rudolph/  
Acting Examiner of Art Unit 2625

/David K Moore/  
Supervisory Patent Examiner, Art Unit 2625